

**写两个线程，第一个线程打印1-52，第二个线程打印A-Z，打印结果为12A34B...5152Z。**

```
public class ThreadPrinter {  
    // true打印数字, false打印字母  
    private boolean flag = true;  
  
    public synchronized void printNumber(String s) {  
        try {  
            if (!flag) {  
                super.wait();  
            }  
            System.out.print(s);  
            flag = false;  
            super.notifyAll();  
        } catch (InterruptedException ex) {  
        }  
    }  
  
    public synchronized void printLetter(String s) {  
        try {  
            if (flag) {  
                super.wait();  
            }  
            System.out.print(s);  
            flag = true;  
            super.notifyAll();  
        } catch (InterruptedException ex) {  
        }  
    }  
}
```

```

public static class LetterPrintThread extends Thread {
    public ThreadPrinter printer;

    public LetterPrintThread(String name, ThreadPrinter
    printer) {
        super(name);
        this.printer = printer;
    }

    public void run() {
        for (int i = 1; i <= 26; i++) {
            int temp = i + 64;
            char c = (char) temp;
            printer.printLetter(c + " ");
        }
    }

}

public static class NumberPrintThread extends Thread {
    public ThreadPrinter printer;

    public NumberPrintThread(String name, ThreadPrinter
    printer) {
        super(name);
        this.printer = printer;
    }

    public void run() {
        for (int i = 1; i <= 26; i++) {
            String s = (2 * i - 1) + " " + 2 * i + " ";
            printer.printNumber(s);
        }
    }

}

```

```
public static void main(String[] args) {  
    ThreadPrinter printer = new ThreadPrinter();  
    new NumberPrintThread("打印数字线程", printer).start();  
    new LetterPrintThread("打印字母线程", printer).start();  
}  
}
```